					DEPARTMENT	TATE OF UTAH OF NATURAL RES OF OIL, GAS AND M				AMENDE	FOR D REPORT				
APPLICATION FOR PERMIT TO DRILL									1. WELL NAME and N	JMBER LC Fee 5-3	5D-47				
2. TYPE OF WORK DRILL NEW WELL REENTER P&A WELL DEEPEN WELL SEPEN DEEPEN WELL SEPEN WELL DEEPEN WELL DEEPEN WELL SEPEN WELL DEEPEN WELL DEEPEN WELL DEEPEN WELL SEPEN WELL DEEPEN WELL DE WELL DEEPEN WELL DEEPEN WELL DEEPEN WELL DE WEL									3. FIELD OR WILDCAT	r WILDC	AT				
4. TYPE O	F WELL		Oil Well		ed Methane Well: NO				5. UNIT or COMMUNIT	FIZATION A	GREEME	NT NAM	E		
6. NAME C	F OPERATOR	!		LL BARRE					7. OPERATOR PHONE	303 312-	8164				
8. ADDRE	SS OF OPERAT				0, Denver, CO, 80202				9. OPERATOR E-MAIL			om.			
	AL LEASE NUI	MBER	000 10 0	7. 0.0 200	11. MINERAL OWNERS		/8		12. SURFACE OWNERS	SHIP			-0		
		Fee OWNER (if box 1	12 = 'fee')		FEDERAL IND	IAN () STATE () FEE (0	2	14. SURFACE OWNER	DIAN (III) R PHONE (ii	STATE (box 12 =		E ()		
		ACE OWNER (if b							16. SURFACE OWNER						
17 INDIA	I ALL OTTEE (OR TRIBE NAME			18. INTEND TO COMM	INGLE PRODUCTION	N FROM		19. SLANT						
	= 'INDIAN')	lintah and Ouray			MULTIPLE FORMATION YES (Submit C	NS commingling Applicati	on) NO 🗓		VERTICAL DIF	RECTIONAL	📵 но	RIZONT	AL 💮		
20. LOC	TION OF WEL	L		FC	OTAGES	QTR-QTR	SECTI	ION	TOWNSHIP	RAN	GE	МЕ	RIDIAN		
LOCATIO	N AT SURFAC	E		1691 FI	NL 457 FWL	SWNW	35		4.0 S	7.0	W		U		
Top of U	ppermost Pro	ducing Zone		1981 FI	NL 809 FWL	SWNW	35		4.0 S	7.0	W		U		
At Total	Depth			1980 FI	NL 810 FWL	SWNW	35		4.0 S	7.0	W	U			
21. COUN	TY	DUCHESNE			22. DISTANCE TO NEA	REST LEASE LINE (F 810	eet)		23. NUMBER OF ACRE	ES IN DRILL 640	ING UNIT	•			
					25. DISTANCE TO NEA (Applied For Drilling of										
27. ELEV	ATION - GROU	ND LEVEL 7674			28. BOND NUMBER	LPM4138148	29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE 43-180				E				
					Hole, Casing	, and Cement Info	rmation								
String	Hole Size	Casing Size	Length	Weigh					Cement Sacks Yield W				Weight		
COND	26	16	0 - 80	65.0	Unknown	8.8			No Used		0	0.0	0.0		
SURF	12.25	9.625	0 - 1600	36.0	J-55 ST&C	8.8	На	Halliburton Light , Type Unknown 210 3			3.16	11.0			
							Hallii	burton	Premium , Type Un	known	210	1.36	14.8		
PROD	8.75	9.625	0 - 7170	17.0	P-110 LT&C	9.6			Unknown		600	2.31	11.0		
								Unknown 660 1.42				13.5			
					Α'	TTACHMENTS									
	VE	RIFY THE FOLL	OWING ARI	E ATTAC	CHED IN ACCORDAN	ICE WITH THE UT	AH OIL AN	D GAS	CONSERVATION G	ENERAL	RULES				
₩ w	ELL PLAT OR I	MAP PREPARED E	BY LICENSED S	SURVEYO	R OR ENGINEER	№ com	PLETE DRIL	LLING PI	_AN						
AF	FIDAVIT OF ST	ATUS OF SURFA	CE OWNER AG	REEMEN	T (IF FEE SURFACE)	FORM	1 5. IF OPER	RATOR IS	S OTHER THAN THE LE	EASE OWNE	ĒR				
I ✓ DIF	RECTIONAL SU	JRVEY PLAN (IF [DIRECTIONAL	LY OR HO	PRIZONTALLY DRILLED) горо	GRAPHICA	L MAP							
NAME Ve	nessa Langma	cher		ТІТІ	E Senior Permit Analyst	i	PHOI	NE 303	312-8172						
SIGNATU	RE			DAT	E 03/07/2013		EMA	IL vlang	macher@billbarrettcorp	o.com					
	BER ASSIGNEI)1352081			APF	ROVAL		1	Bol	ogill						
L	Permi									rmit Manager					

BILL BARRETT CORPORATION DRILLING PLAN

LC Fee 5-35D-47

SW NW, 1691' FNL and 457' FWL, Section 35, T4S-R7W, USB&M (surface hole) SW NW, 1980' FNL and 810' FWL, Section 35, T4S-R7W, USB&M (bottom hole) Duchesne County, Utah

1 - 2. <u>Estimated Tops of Geological Markers and Formations Expected to Contain Water, Oil and Gas and Other Minerals</u>

Formation	Depth – MD	Depth - TVD
Green River	1,801'	1,801'
Mahogany	2,466'	2,461'
Lower Green River*	3,673'	3,646'
Douglas Creek	4,454'	4,416'
Black Shale	5,250'	5,211'
Castle Peak	5,490'	5,451'
Uteland Butte	5,835'	5,796'
Wasatch*	6,020'	5,981'
TD	7,170'	7,131'

^{*}PROSPECTIVE PAY

The Wasatch and the Lower Green River are primary objectives for oil/gas.

3. BOP and Pressure Containment Data

<u>Depth Intervals</u> <u>BOP Equipment</u>								
0 – 1,600' NU_Diverter or Rotating Head								
1,600' – TD								
	11" 5000# Annular BOP							
- Drilling spool to a	accommodate choke and kill lines;							
- Ancillary equipment and choke manifold rated at 5,000 psi. All BOP and BOPE tests will be in								
accordance with the	he requirements of onshore Order No. 2;							

- The BLM and the State of Utah Division of Oil, Gas and Mining will be notified 24 hours in advance of all BOP pressure tests.
- BOP hand wheels may be underneath the sub-structure of the rig if the drilling rig used is set up To operate most efficiently in this manner.

4. <u>Casing Program</u>

Hole Size	SETTING DEPTH		ING DEPTH Casing Casing Ca		Casing		
	(FROM) (TO)		Size	Weight	Grade	Thread	Condition
26"	Surface	80'	16"	65#			
12 1/4"	Surface	1,600'	9 5/8"	36#	J or K 55	ST&C	New
8 3/4"	Surface	,		17#	P-110	LT&C	New

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Bill Barrett Corporation Drilling Program LC Fee 5-35D-47 Duchesne County, Utah

5. <u>Cementing Program</u>

16" Conductor Casing	Grout
9 5/8" Surface Casing	Lead: 210 sx Halliburton Light Premium with additives
	mixed at 11.0 ppg (yield = $3.16 \text{ ft}^3/\text{sx}$) circulated to surface
	with 75% excess. TOC @ Surface
	Tail: 210 sx Halliburton Premium Plus cement with
	additives mixed at 14.8 ppg (yield = $1.36 \text{ ft}^3/\text{sx}$), calculated
	hole volume with 75% excess. TOC @ 1,100'
5 ½" Production Casing	Lead: 600 sx Tuned Light cement with additives mixed at
	11.0 ppg (yield = $2.31 \text{ ft}^3/\text{sx}$). TOC @ 1,100'
	Tail: 660 sx Halliburton Econocem cement with additives
	mixed at 13.5 ppg (yield = $1.42 \text{ ft}^3/\text{sx}$). Top of cement to
	be determined by log and sample evaluation; estimated TOC
	@ 4,750'

6. <u>Mud Program</u>

<u>Interval</u>	Weight	Viscosity	Fluid Loss (API filtrate)	<u>Remarks</u>
0'-80'	8.3 - 8.8	26 – 36	NC	Freshwater Spud Mud Fluid
				System
80' – 1,600'	8.3 - 8.8	26 - 36	NC	Freshwater Spud Mud Fluid
				System
1,600' – TD	8.6 - 9.6	42-52	20 cc or less	DAP Polymer Fluid System

Note: Sufficient mud materials to maintain mud properties, control lost circulation and to contain "kicks" will be available at wellsite. BBC may require minor amounts of diesel to be added to its fluid system in order to reduce torque and drag.

7. Testing, Logging and Core Programs

Cores	None anticipated;
Testing	None anticipated; drill stem tests may be run on shows of interest;
Sampling	30' to 50' samples; surface casing to TD. Preserve samples all show intervals;
Surveys	MWD as needed to land wellbore;
Logging	DIL-GR-SP, FDC-CNL-GR-CALIPER-Pe-Microlog, Sonic-GR (all TD to surface).
	FMI & Sonic Scanner to be run at geologist's discretion.

8. <u>Anticipated Abnormal Pressures or Temperatures</u>

No abnormal pressures or temperatures or other hazards are anticipated.

Maximum anticipated bottom hole pressure equals approximately 3559 psi* and maximum anticipated surface pressure equals approximately 1990 psi** (bottom hole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

^{*}Max Mud Wt x 0.052 x TD = A (bottom hole pressure)

^{**}Maximum surface pressure = A - (0.22 x TD)

Bill Barrett Corporation Drilling Program LC Fee 5-35D-47 Duchesne County, Utah

9. <u>Auxiliary Equipment</u>

- a) Upper kelly cock; lower Kelly cock will be installed while drilling
- b) Inside BOP or stab-in valve (available on rig floor)
- c) Safety valve(s) and subs to fit all string connections in use Mud monitoring will be visually observed

10. Location and Type of Water Supply

Water for the drilling and completion will be trucked from the Duchesne City Culinary Water Dock located in Sec. 1, T4S, R5W water right number 43-180.

11. <u>Drilling Schedule</u>

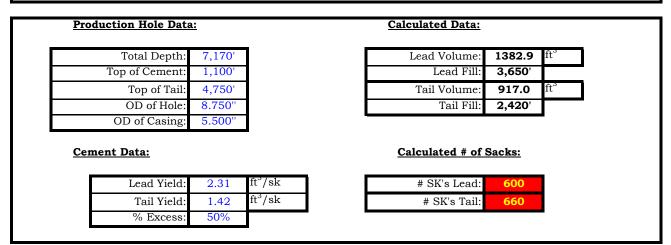
Location Construction: November 2013
Spud: November 2013
Duration: 15 days drilling time
45 days completion time

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LAKE CANYON & BLACK TAIL RIDGE CEMENT VOLUMES

Well Name: LC Fee 5-35D-47 Surface Hole Data: Calculated Data: Total Depth: 1,600' Lead Volume: 602.9 Top of Cement 0' Lead Fill: 1,100' OD of Hole: 12.250" Tail Volume: 274.0 OD of Casing: Tail Fill: 500' 9.625 Calculated # of Sacks: **Cement Data:** ft°/sk Lead Yield: 3.16 # SK's Lead: % Excess: 75% 0' Top of Lead: Tail Yield: 1.36 ft³/sk # SK's Tail: % Excess: 75% Top of Tail: 1,100'

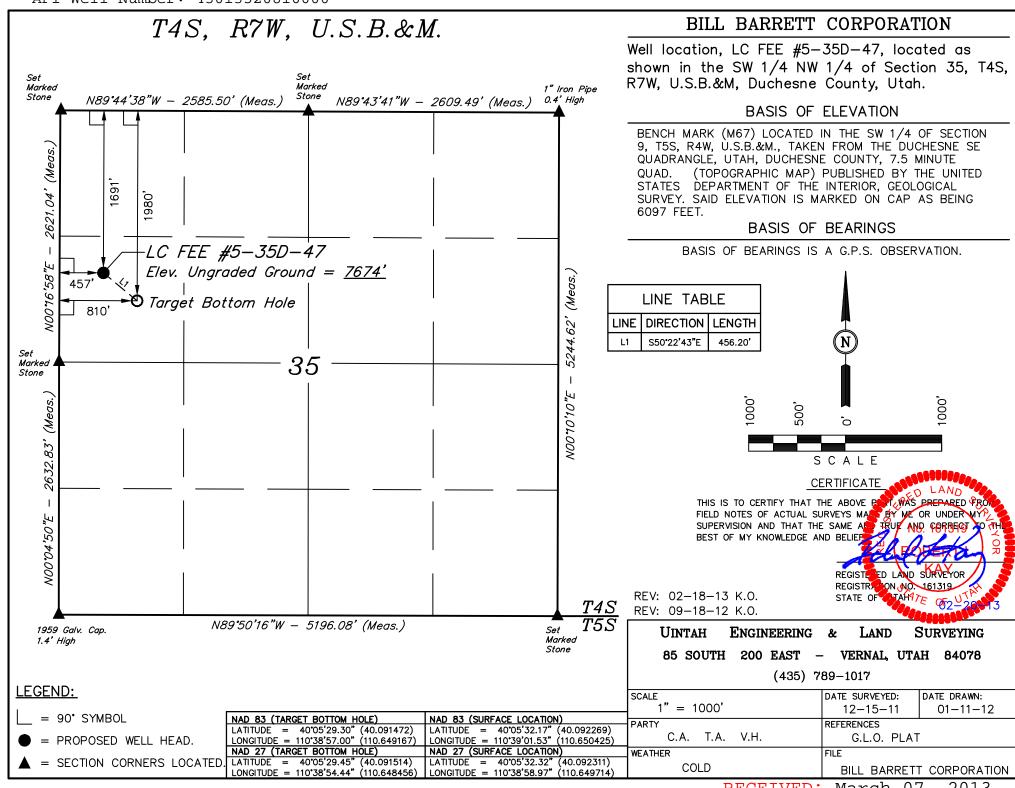


LC Fee 5-35D-47 Proposed Cementing Program

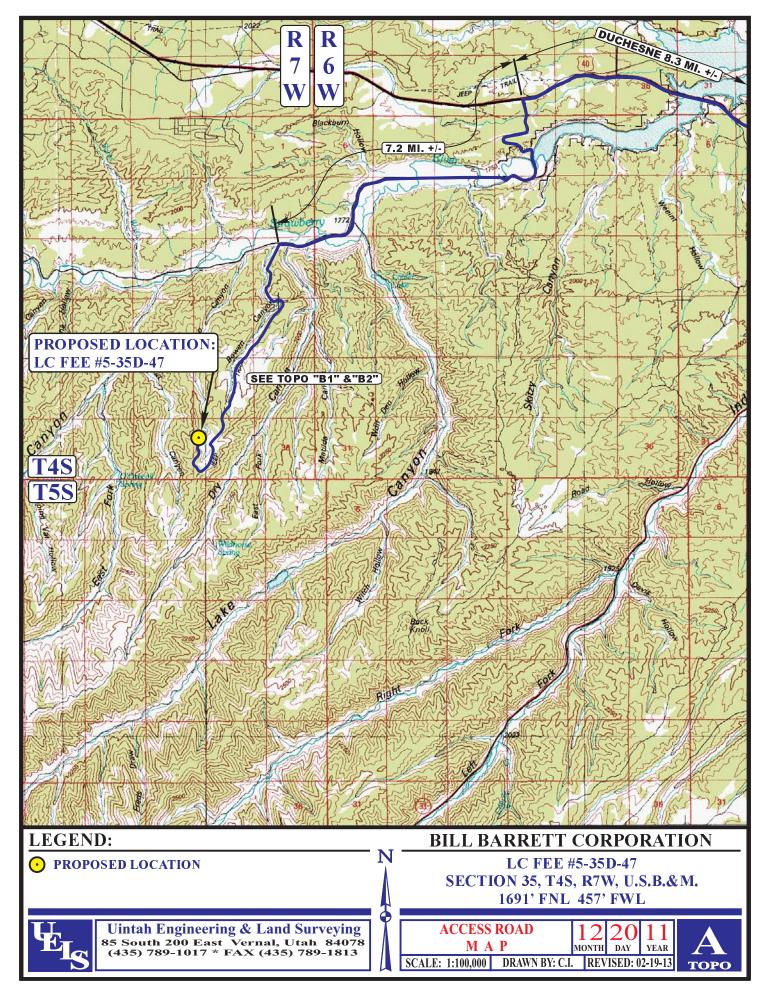
Job Recommendation		Sur	face Casing
Lead Cement - (1100' - 0')			
Halliburton Light Premium	Fluid Weight:	11.0	lbm/gal
5.0 lbm/sk Silicalite Compacted	Slurry Yield:	3.16	ft ³ /sk
0.25 lbm/sk Kwik Seal	Total Mixing Fluid:	19.48	Gal/sk
0.125 lbm/sk Poly-E-Flake	Top of Fluid:	0'	
2.0% Bentonite	Calculated Fill:	1,100'	
	Volume:	107.37	bbl
	Proposed Sacks:	210	sks
Tail Cement - (TD - 1100')			
Premium Cement	Fluid Weight:	14.8	lbm/gal
2.0% Calcium Chloride	Slurry Yield:	1.36	ft ³ /sk
	Total Mixing Fluid:	6.37	Gal/sk
	Top of Fluid:	1,100'	
	Calculated Fill:	500'	
	Volume:	48.80	bbl
	Proposed Sacks:	210	sks

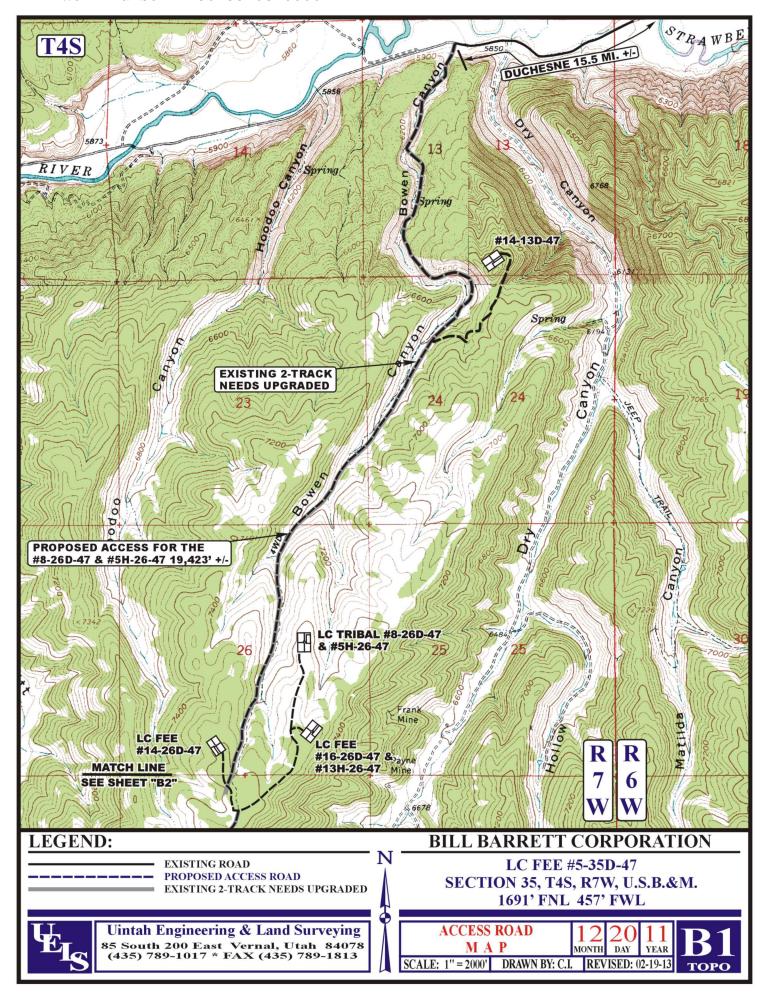
Job Recommendation		Produc	tion Casing
Lead Cement - (4750' - 1100')			
Tuned Light TM System	Fluid Weight:	11.0	lbm/gal
	Slurry Yield:	2.31	ft ³ /sk
	Total Mixing Fluid:	10.65	Gal/sk
	Top of Fluid:	1,100'	
	Calculated Fill:	3,650'	
	Volume:		bbl
	Proposed Sacks:	600	sks
Tail Cement - (7170' - 4750')			
Econocem TM System	Fluid Weight:	13.5	lbm/gal
0.125 lbm/sk Poly-E-Flake	Slurry Yield:	1.42	ft ³ /sk
1.0 lbm/sk Granulite TR 1/4	Total Mixing Fluid:	6.61	Gal/sk
	Top of Fluid:	4,750'	
	Calculated Fill:	2,420'	
	Volume:	163.31	bbl
	Proposed Sacks:	660	sks

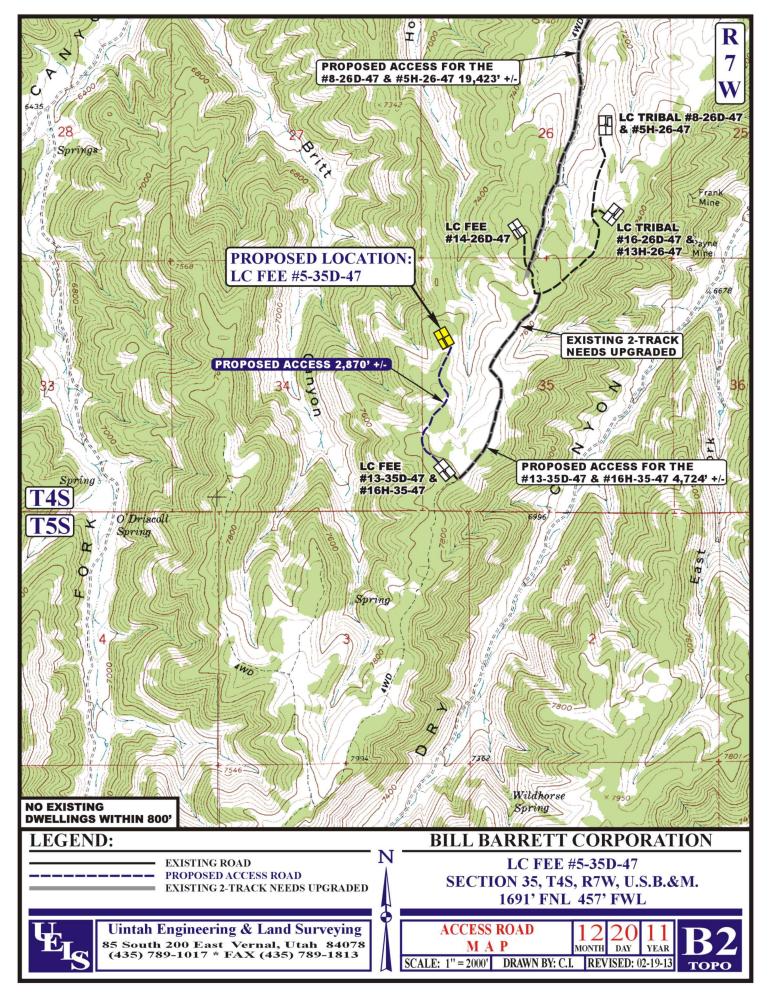
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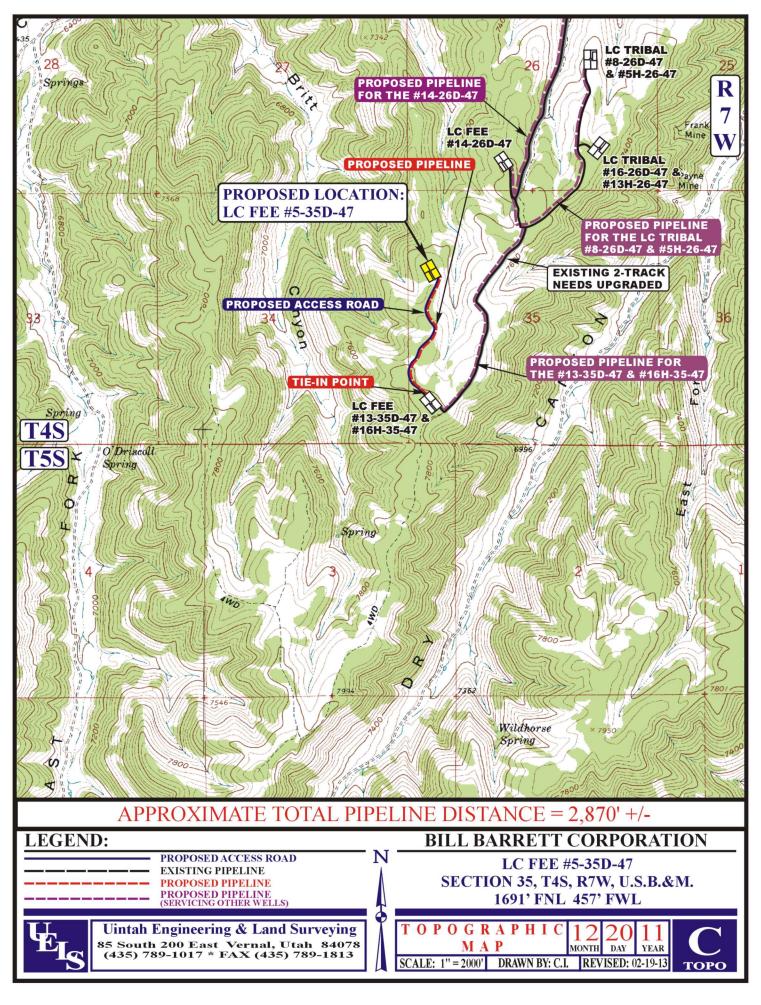


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COMPANY DETAILS: BILL BARRETT CORP

Calculation Method: Minimum Curvature

Error System: ISCWSA

Scan Method: Closest Approach 3D Error Surface: Elliptical Conic Warning Method: Error Ratio SITE DETAILS: 5-35D-47 LC Fee Lake Canyon

Site Latitude: 40° 5' 32.320 N Site Longitude: 110° 38' 58.970 W

Positional Uncertainity: 0.0 Convergence: 0.54 Local North: True

WELL DETAILS: 5-35D-47 LC Fee

Ground Level: 7672.0

+N/-S +E/-W Northing Easting Latittude Longitude Slot 0.0 0.0 641800.06 2237878.60 40° 5' 32.320 N 110° 38' 58.970 W

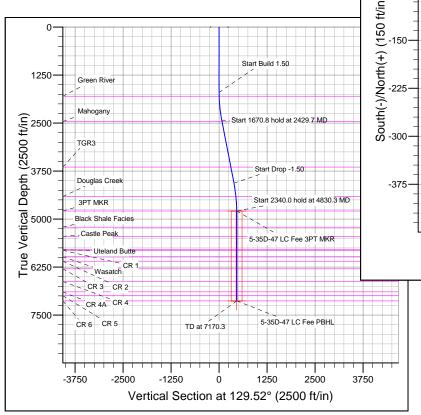
WELLBORE TARGET DETAILS (LAT/LONG)										
Name 5-35D-47 LC Fee 3PT MKR 5-35D-47 LC Fee PBHL	TVD 4791.0 7131.0	+N/-S -290.3 -290.3		Latitude 40° 5' 29.450 N 40° 5' 29.450 N	Longitude 110° 38' 54.442 W 110° 38' 54.442 W	Shape Rectangle (Sides: L200.0 W200.0) Rectangle (Sides: L200.0 W200.0)				

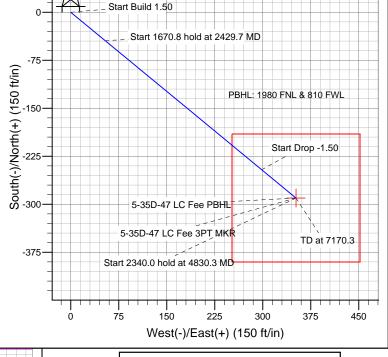
					SEC	CTION E	DETAILS	3			
4	0.0 1700.0 2429.7		0.00 0.00 129.52 129.52	TVD 0.0 1700.0 2425.3 4065.7 4791.0	0.0 0.0 -44.2 -246.1	0.0 0.0	0.00 0.00 1.50 0.00	TFace 0.00 0.00 129.52 0.00 180.00	0.0 0.0 69.5 386.7	Target 5-35D-47 LC Fee 3PT MK	IR
6	7170.3	0.00		7131.0		352.0	0.00	0.00		5-35D-47 LC Fee PBHL	

FORMATION TOP DETAILS TVDPath **MDPath** Formation 1801.0 1801.0 Green River 2461.0 2466.1 Mahogany 3646.0 3673.0 4454.7 TGR3 4416.0 Douglas Creek 3PT MKR 4791.0 4830.3 5211.0 5250.3 Black Shale Facies 5490.3 5835.3 5451.0 Castle Peak 5796.0 **Uteland Butte** 5816.0 5855.3 CR 1 5981.0 6020.3 Wasatch 6096.0 6135.3 CR 2 CR 3 6296.0 6335.3 6626.0 6665.3 CR 4 6896.0 6935.3 CR 4A 6996.0 7035.3 7131.0 7170.3 CR 6

CASING DETAILS

No casing data is available





Azimuths to True North Magnetic North: 11.33°

Magnetic Field Strength: 52024.4snT Dip Angle: 65.67°
Date: 3/7/2013 Model: IGRF2010

Planning Report

Database: Compass

Company: BILL BARRETT CORP

Project: DUCHESNE COUNTY, UT (NAD 27)

 Site:
 5-35D-47 LC Fee

 Well:
 5-35D-47 LC Fee

 Wellbore:
 Wellbore #1

 Design:
 Design #1

Local Co-ordinate Reference:

TVD Reference:
MD Reference:

North Reference: Survey Calculation Method: Well 5-35D-47 LC Fee

KB @ 7687.0ft (Original Well Elev) KB @ 7687.0ft (Original Well Elev)

True

Ground Level:

7,672.0 ft

Minimum Curvature

Project DUCHESNE COUNTY, UT (NAD 27)

Map System: US State Plane 1927 (Exact solution)

0.0 ft

Geo Datum: NAD 1927 (NADCON CONUS)

Map Zone: Utah Central 4302

System Datum: Ground Level

ft

Site 5-35D-47 LC Fee

Position Uncertainty

Northing: 641,800.07 ft Site Position: Latitude: 40° 5' 32.320 N 110° 38' 58.970 W Easting: 2,237,878.60 ft From: Lat/Long Longitude: Grid Convergence: **Position Uncertainty:** 0.0 ft Slot Radius: 0.54 °

 Well Position
 +N/-S +E/-W
 0.0 ft lasting:
 Northing: 641,800.06 ft lasting:
 Latitude: Longitude:
 40° 5' 32.320 N lasting:
 110° 38' 58.970 W

Wellhead Elevation:

Wellbore Wellbore #1 Magnetics **Model Name** Sample Date Declination Dip Angle Field Strength (°) (°) (nT) IGRF2010 3/7/2013 11.33 65.67 52,024

Design #1 Design Audit Notes: Version: Phase: **PLAN** Tie On Depth: 0.0 Depth From (TVD) +N/-S **Vertical Section:** +E/-W Direction (ft) (ft) (ft) (°) 0.0 129.52 0.0 0.0

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,429.7	10.95	129.52	2,425.3	-44.2	53.6	1.50	1.50	0.00	129.52	
4,100.6	10.95	129.52	4,065.7	-246.1	298.3	0.00	0.00	0.00	0.00	
4,830.3	0.00	0.00	4,791.0	-290.3	352.0	1.50	-1.50	0.00	180.00	5-35D-47 LC Fee 3P
7,170.3	0.00	0.00	7,131.0	-290.3	352.0	0.00	0.00	0.00	0.00	5-35D-47 LC Fee PB

Planning Report

Database: Compass

Company: BILL BARRETT CORP

Project: DUCHESNE COUNTY, UT (NAD 27)

 Site:
 5-35D-47 LC Fee

 Well:
 5-35D-47 LC Fee

 Wellbore:
 Wellbore #1

 Design:
 Design #1

Local Co-ordinate Reference:

TVD Reference:
MD Reference:
North Reference:

Survey Calculation Method:

Well 5-35D-47 LC Fee

KB @ 7687.0ft (Original Well Elev) KB @ 7687.0ft (Original Well Elev)

True

Minimum Curvature

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	0.008	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1 500 0	0.00		1.500.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00 0.00	0.00	,		0.0	0.0	0.00	0.00 0.00	0.00
1,600.0 1,700.0	0.00	0.00 0.00	1,600.0 1,700.0	0.0 0.0	0.0 0.0	0.0 0.0	0.00 0.00	0.00	0.00 0.00
		0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00
Start Build 1. 1.800.0		129.52	1,800.0	-0.8	1.0	1.3	1.50	1.50	0.00
1,800.0	1.50 1.52	129.52	1,800.0	-0.8 -0.8	1.0	1.3	1.50 1.50	1.50	0.00
Green River	1.02	129.32	1,001.0	-0.0	1.0	1.5	1.50	1.50	0.00
1,900.0	3.00	129.52	1,899.9	-3.3	4.0	5.2	1.50	1.50	0.00
2,000.0	4.50	129.52	1,999.7	-7.5	9.1	11.8	1.50	1.50	0.00
2,100.0	6.00	129.52	2,099.3	-13.3	16.1	20.9	1.50	1.50	0.00
2,200.0	7.50	129.52	2,198.6	-20.8	25.2	32.7	1.50	1.50	0.00
2,300.0	9.00	129.52	2,297.5	-29.9	36.3	47.0	1.50	1.50	0.00
2,400.0	10.50	129.52	2,396.1	-40.7	49.3	64.0	1.50	1.50	0.00
2,429.7	10.95	129.52	2,425.3	-44.2	53.6	69.5	1.50	1.50	0.00
Start 1670.8	hold at 2429.7 N	/ID							
2,466.1	10.95	129.52	2,461.0	-48.6	58.9	76.4	0.00	0.00	0.00
Mahogany									
2,500.0	10.95	129.52	2,494.3	-52.7	63.9	82.8	0.00	0.00	0.00
2,600.0	10.95	129.52	2,592.5	-64.8	78.5	101.8	0.00	0.00	0.00
2,700.0	10.95	129.52	2,690.7	-76.9	93.2	120.8	0.00	0.00	0.00
2,800.0	10.95	129.52	2,788.8	-89.0	107.8	139.8	0.00	0.00	0.00
2,900.0	10.95	129.52	2,887.0	-101.0	122.5	158.8	0.00	0.00	0.00
3,000.0	10.95	129.52	2,985.2	-113.1	137.1	177.8	0.00	0.00	0.00
3,100.0	10.95	129.52	3,083.4	-125.2	151.8	196.8	0.00	0.00	0.00
3,200.0	10.95	129.52	3,181.6	-137.3	166.4	215.7	0.00	0.00	0.00
3,200.0 3,300.0	10.95	129.52	3,181.6	-137.3 -149.4	181.1	215.7	0.00	0.00	0.00
3,400.0	10.95	129.52	3,377.9	-149.4 -161.4	195.7	254.7 253.7	0.00	0.00	0.00
3,500.0	10.95	129.52	3,476.1	-101.4	210.4	272.7	0.00	0.00	0.00
3,600.0	10.95	129.52	3,574.3	-175.5	225.0	291.7	0.00	0.00	0.00
3,673.0	10.95	129.52	3,646.0	-194.4	235.7	305.6	0.00	0.00	0.00
TGR3	40.05	400 =0	0.070.5	407.7	200 =	640 =	2.22	2.22	2.22
3,700.0	10.95	129.52	3,672.5	-197.7	239.7	310.7	0.00	0.00	0.00
3,800.0	10.95	129.52	3,770.6	-209.8	254.3	329.7	0.00	0.00	0.00
3,900.0	10.95	129.52	3,868.8	-221.9	269.0	348.7	0.00	0.00	0.00
4,000.0	10.95	129.52	3,967.0	-233.9	283.6	367.6	0.00	0.00	0.00
4,100.0	10.95	129.52	4,065.2	-246.0	298.3	386.6	0.00	0.00	0.00
4,100.6	10.95	129.52	4,065.7	-246.1	298.3	386.7	0.00	0.00	0.00
Start Drop -1	50								

Planning Report

Database: Compass

Company: BILL BARRETT CORP

Project: DUCHESNE COUNTY, UT (NAD 27)

 Site:
 5-35D-47 LC Fee

 Well:
 5-35D-47 LC Fee

 Wellbore:
 Wellbore #1

 Design:
 Design #1

Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Well 5-35D-47 LC Fee

KB @ 7687.0ft (Original Well Elev) KB @ 7687.0ft (Original Well Elev)

True

Minimum Curvature

	n	Azim (°		Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
;	.45		129.52	4,163.6	-257.3	311.9	404.4	1.50	-1.50	0.00
5	.95		129.52	4,262.4	-266.9	323.6	419.5	1.50	-1.50	0.00
5	.45		129.52	4,361.7	-274.9	333.3	432.0	1.50	-1.50	0.00
3	.63		129.52	4,416.0	-278.6	337.7	437.8	1.50	-1.50	0.00
;	.95		129.52	4,461.2	-281.2	340.9	442.0	1.50	-1.50	0.00
5	.45		129.52	4,560.9	-285.9	346.6	449.3	1.50	-1.50	0.00
5	.95		129.52	4,660.8	-288.9	350.2	454.0	1.50	-1.50	0.00
5	.45		129.52	4,760.7	-290.2	351.9	456.1	1.50	-1.50	0.00
)	.00		0.00	4,791.0	-290.3	352.0	456.2	1.50	-1.50	-428.06
N	0.3 ME	MD - 3P								
	.00		0.00	4,860.7	-290.3	352.0	456.2	0.00	0.00	0.00
)	.00		0.00	4,960.7	-290.3	352.0	456.2	0.00	0.00	0.00
	.00		0.00	5,060.7	-290.3	352.0	456.2	0.00	0.00	0.00
)	.00		0.00	5,160.7	-290.3	352.0	456.2	0.00	0.00	0.00
)	.00		0.00	5,211.0	-290.3	352.0	456.2	0.00	0.00	0.00
)	.00		0.00	5,260.7	-290.3	352.0	456.2	0.00	0.00	0.00
)	.00		0.00	5,360.7	-290.3	352.0	456.2	0.00	0.00	0.00
)	.00		0.00	5,451.0	-290.3	352.0	456.2	0.00	0.00	0.00
)	.00		0.00	5,460.7	-290.3	352.0	456.2	0.00	0.00	0.00
)	.00		0.00	5,560.7	-290.3	352.0	456.2	0.00	0.00	0.00
)	.00		0.00	5,660.7	-290.3	352.0	456.2	0.00	0.00	0.00
)	.00		0.00	5,760.7	-290.3	352.0	456.2	0.00	0.00	0.00
)	.00		0.00	5,796.0	-290.3	352.0	456.2	0.00	0.00	0.00
)	.00		0.00	5,816.0	-290.3	352.0	456.2	0.00	0.00	0.00
)	.00		0.00	5,860.7	-290.3	352.0	456.2	0.00	0.00	0.00
	.00		0.00	5,960.7	-290.3	352.0	456.2	0.00	0.00	0.00
)	.00		0.00	5,981.0	-290.3	352.0	456.2	0.00	0.00	0.00
	.00		0.00	6,060.7	-290.3	352.0	456.2	0.00	0.00	0.00
,	.00		0.00	6,096.0	-290.3	352.0	456.2	0.00	0.00	0.00
	.00		0.00	6,160.7	-290.3	352.0	456.2	0.00	0.00	0.00
	.00		0.00	6,260.7	-290.3	352.0	456.2	0.00	0.00	0.00
)	.00		0.00	6,296.0	-290.3	352.0	456.2	0.00	0.00	0.00
	.00		0.00	6,360.7	-290.3	352.0	456.2	0.00	0.00	0.00
)	.00		0.00	6,460.7	-290.3	352.0	456.2	0.00	0.00	0.00
	.00		0.00	6,560.7	-290.3	352.0	456.2	0.00	0.00	0.00
)	.00		0.00	6,626.0	-290.3	352.0	456.2	0.00	0.00	0.00
	.00		0.00	6,660.7	-290.3	352.0	456.2	0.00	0.00	0.00
	.00		0.00	6,760.7	-290.3	352.0	456.2	0.00	0.00	0.00
)	.00		0.00	6,860.7	-290.3	352.0	456.2	0.00	0.00	0.00
)	.00		0.00	6,896.0	-290.3	352.0	456.2	0.00	0.00	0.00
	.00		0.00	6,960.7	-290.3	352.0	456.2	0.00	0.00	0.00
)	.00		0.00	6,996.0	-290.3	352.0	456.2	0.00	0.00	0.00

Planning Report

Database: Compass

Company: BILL BARRETT CORP

Project: DUCHESNE COUNTY, UT (NAD 27)

 Site:
 5-35D-47 LC Fee

 Well:
 5-35D-47 LC Fee

 Wellbore:
 Wellbore #1

 Design:
 Design #1

Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Well 5-35D-47 LC Fee

KB @ 7687.0ft (Original Well Elev) KB @ 7687.0ft (Original Well Elev)

True

Minimum Curvature

anned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
7,100.0 7,170.3 TD at 7170.3	0.00 0.00 - CR 6	0.00 0.00	7,060.7 7,131.0	-290.3 -290.3	352.0 352.0	456.2 456.2	0.00 0.00	0.00 0.00	0.00 0.00

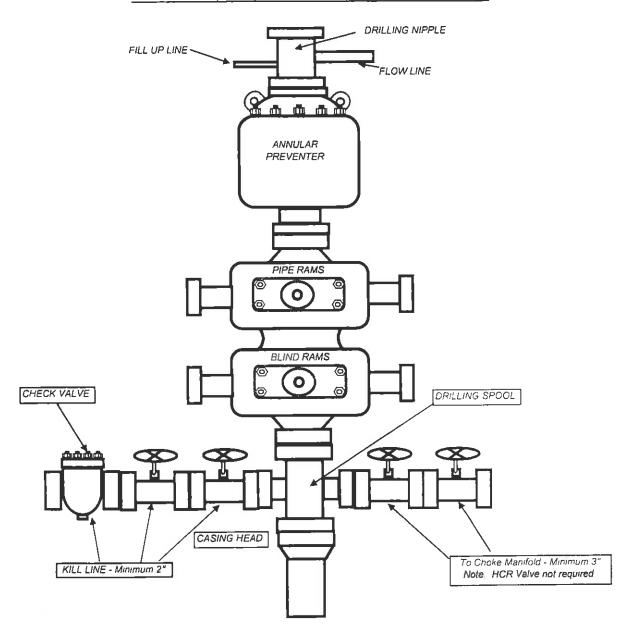
Targets									
Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
5-35D-47 LC Fee PBHL - plan hits target - Rectangle (sides \		0.00 D0.0)	7,131.0	-290.3	352.0	641,513.12	2,238,233.30	40° 5' 29.450 N	110° 38' 54.442 W
5-35D-47 LC Fee 3PT M - plan hits target - Rectangle (sides N		0.00 D2,340.0)	4,791.0	-290.3	352.0	641,513.12	2,238,233.30	40° 5' 29.450 N	110° 38' 54.442 W

Formations						
	Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
	1,801.0	1,801.0	Green River		0.00	
	2,466.1	2,461.0	Mahogany		0.00	
	3,673.0	3,646.0	TGR3		0.00	
	4,454.7	4,416.0	Douglas Creek		0.00	
	4,830.3	4,791.0	3PT MKR		0.00	
	5,250.3	5,211.0	Black Shale Facies		0.00	
	5,490.3	5,451.0	Castle Peak		0.00	
	5,835.3	5,796.0	Uteland Butte		0.00	
	5,855.3	5,816.0	CR 1		0.00	
	6,020.3	5,981.0	Wasatch		0.00	
	6,135.3	6,096.0	CR 2		0.00	
	6,335.3	6,296.0	CR 3		0.00	
	6,665.3	6,626.0	CR 4		0.00	
	6,935.3	6,896.0	CR 4A		0.00	
	7,035.3	6,996.0	CR 5		0.00	
	7,170.3	7,131.0	CR 6		0.00	

Plan Annotation	ıs				
	Measured	Vertical	Local Coor	dinates	
	Depth (ft)	Depth (ft)	+N/-S (ft)	+E/-W (ft)	Comment
	1,700.0	1,700.0	0.0	0.0	Start Build 1.50
	2,429.7	2,425.3	-44.2	53.6	Start 1670.8 hold at 2429.7 MD
	4,100.6	4,065.7	-246.1	298.3	Start Drop -1.50
	4,830.3	4,791.0	-290.3	352.0	Start 2340.0 hold at 4830.3 MD
	7,170.3	7,131.0	-290.3	352.0	TD at 7170.3

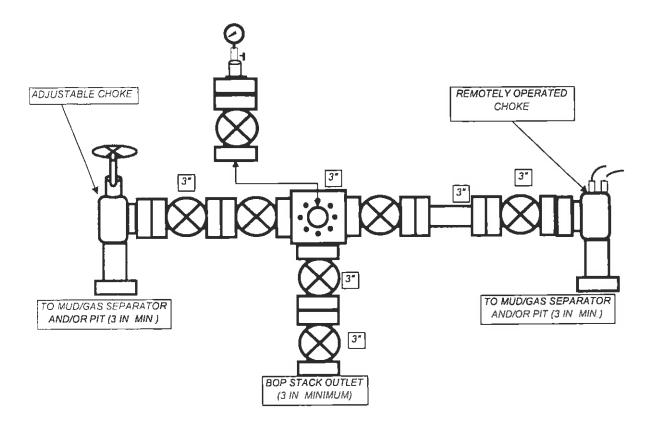
BILL BARRETT CORPORATION

TYPICAL 5,000 p.s.i. BLOWOUT PREVENTER



BILL BARRETT CORPORATION

TYPICAL 5,000 p.s.i. CHOKE MANIFOLD





March 7, 2013

Ms. Diana Mason – Petroleum Technician State of Utah Division of Oil, Gas and Mining 1594 West North Temple, Suite 1210 P. O. Box 145801 Salt Lake City, Utah 84114-5801

Re: Directional Drilling R649-3-11

Lake Canyon Area #5-35D-47 LC Fee Well

Surface: 1691' FNL & 457' FWL, SWNW, 35-T4S-R7W, USM Bottom Hole: 1980' FNL & 810' FWL, SWNW, 35-T4S-R7W, USM

Duchesne County, Utah

Dear Ms. Mason,

Pursuant to the filing of Bill Barrett Corporation's ("BBC") Application for Permit to Drill the above referenced well, we hereby submit this letter in accordance with Oil & Gas Conservation Rules R649-2, R649-3, R649-10 and R649-11, pertaining to the Location and Siting of Wells.

- The proposed location is within our Lake Canyon Area.
- BBC is permitting this well as a directional well in order to minimize surface disturbance. By locating the well at the surface location and directionally drilling from this location, BBC will be able to utilize the existing road and pipelines in the area.
- The well will be drilled under an Exploration and Development Agreement between the Ute Indian Tribe and Ute Distribution Corporation. Ute Energy, LLC owns a right to participate in this well.
- BBC certifies that it is the working interest owner of all lands within 460 feet of the proposed well location, and together with Ute Energy, LLC, we own 100% of the working interest in these lands.

Based on the information provided, BBC requests that the permit be granted pursuant to R649-3-11. Should you have any questions or need further information, please contact me at 303-312-8544.

Sincerely,

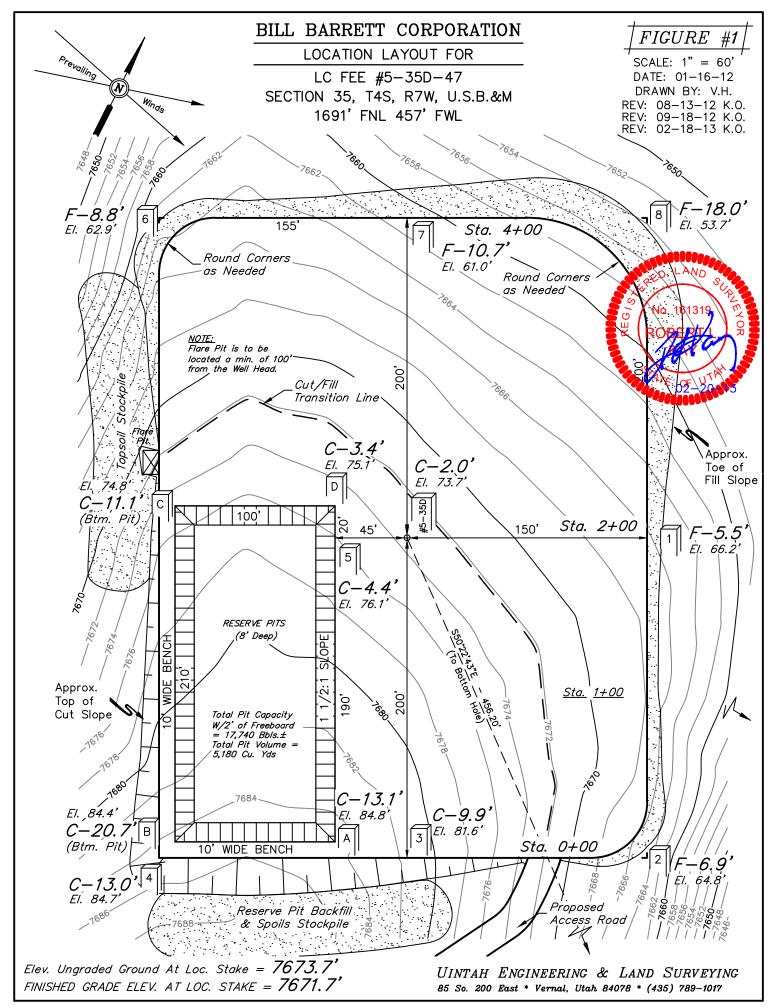
David Watts

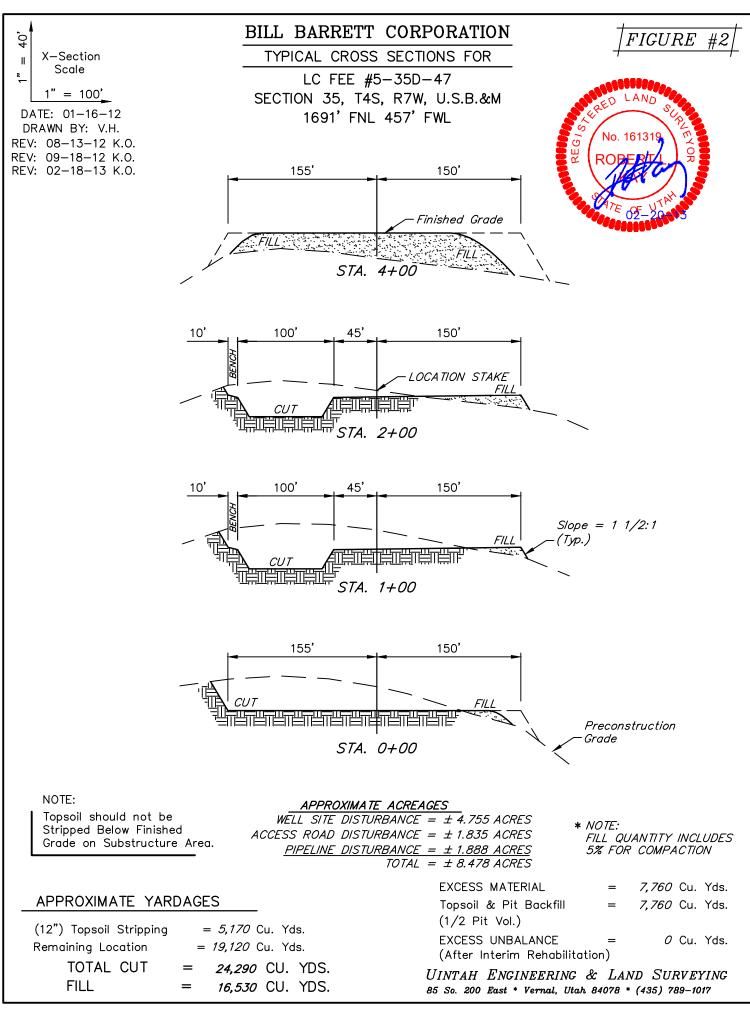
Venevia Jangmachel

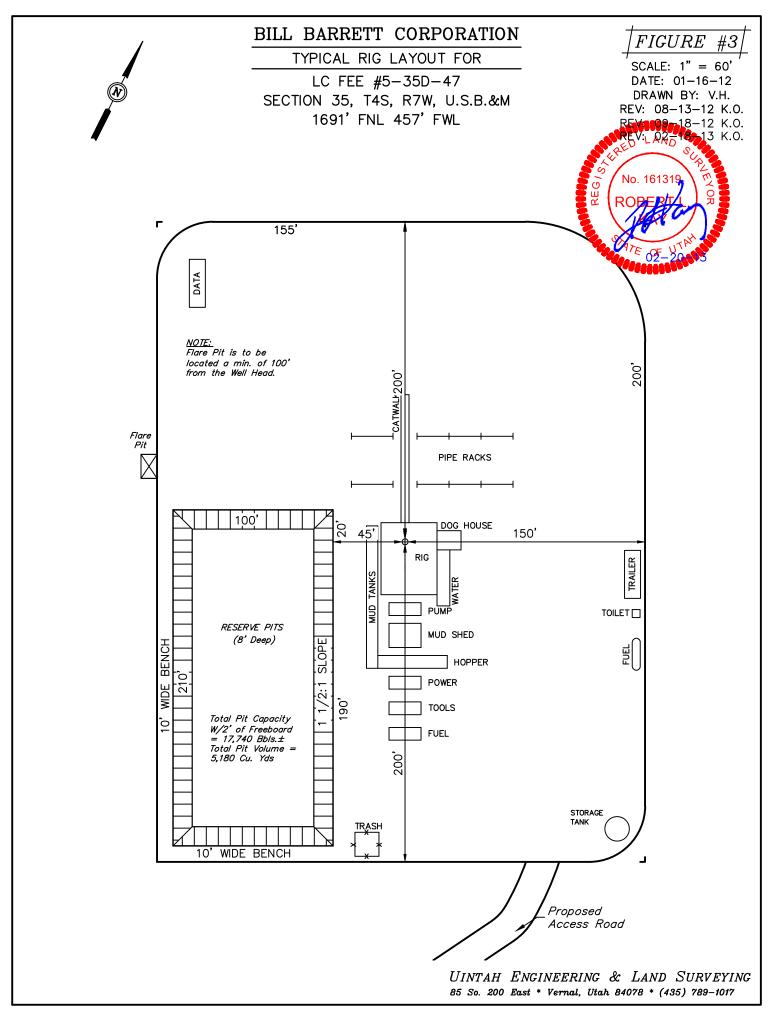
Landman

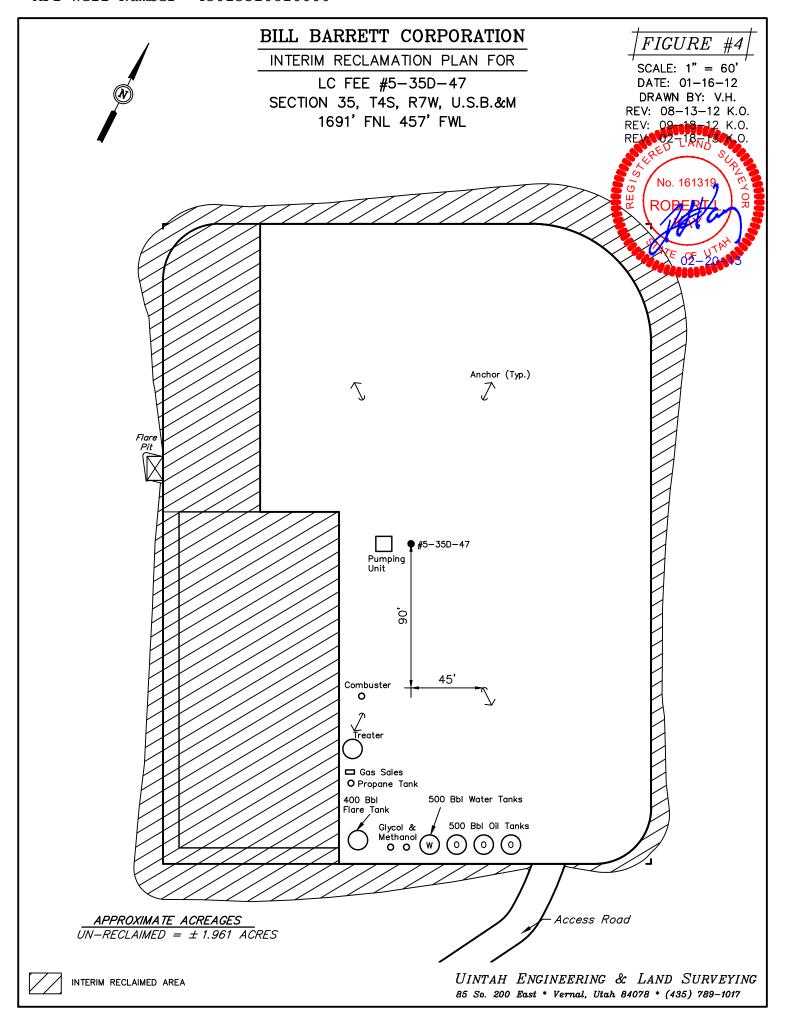
1099 18TH STREET
SUITE 2300
DENVER, CO 80202
P 303.293.9100
F 303.291.0420

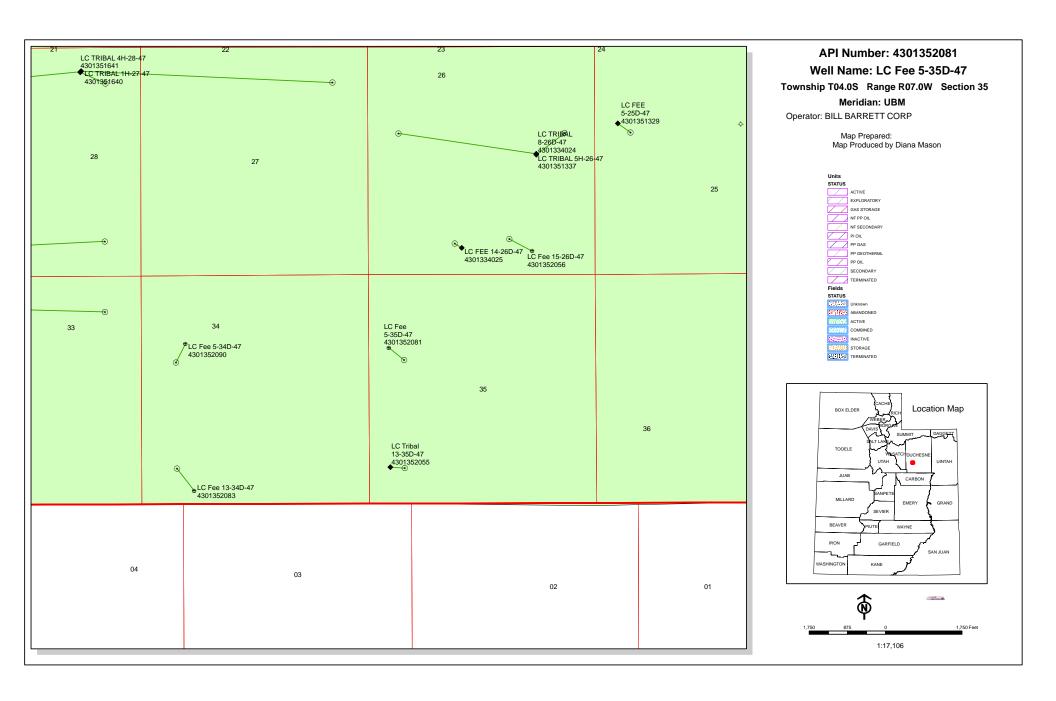
RECEIVED: March 07, 2013











*Max Pressure Allowed @ Previous Casing Shoe=

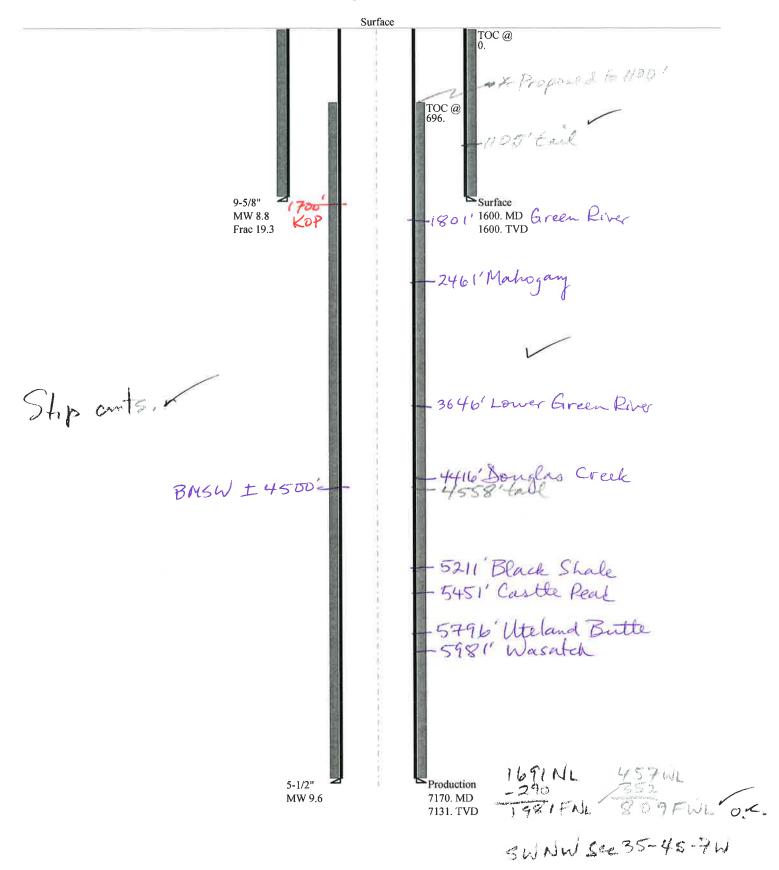
BOPE REVIEW BILL BARRETT CORP LC Fee 5-35D-47 43013520810000

Well Name		BILL BARRETT CORP LC Fee 5-35D-47 43013520									
String		Cond	Surf	1	Prod				i		
Casing Size(")		16.000	9.625	1	9.625				i		
Setting Depth (TVD)		80	1600	ī	7170				i		
Previous Shoe Setting Dept	h (TVD)	0	80	ī	1600				i		
Max Mud Weight (ppg)		8.8	8.8	7	9.6	=					
BOPE Proposed (psi)		0	500	7	5000						
Casing Internal Yield (psi)		1000	3520	=	10640	=			1		
Operators Max Anticipated	Pressure (psi)	3559			9.5						
Calculations		Cond Str	ring	_		\neg	16	.000	"		
Max BHP (psi)		.()52*Settin	g D	epth*M	W=	37	=			
									вор	E Ade	quate For Drilling And Setting Casing at Depth
MASP (Gas) (psi)		Max BH	P-(0.12*S	etti	ng Dept	n)=	27		NO		Fresh wtr spud mud
MASP (Gas/Mud) (psi)		Max BH	P-(0.22*S	etti	ng Dept	n)=	19		NO		
									*Caı	ı Full	Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP22*(S	etting Depth	- Previous	Sh	oe Dept	h)=	19		NO		
Required Casing/BOPE Tes	st Pressure=						80		psi		
*Max Pressure Allowed @	Previous Casing	Shoe=					0		psi	*Ass	sumes 1psi/ft frac gradient
Calculations		Surf Str	ing	_			9	.625	"		
Max BHP (psi)		.()52*Settin	g D	epth*M	W=	732				
									вор	E Ade	quate For Drilling And Setting Casing at Depth
MASP (Gas) (psi)		Max BH	P-(0.12*S	etti	ng Dept	n)=	540		NO		Fresh wtr spud mud, diverter or rotate head
MASP (Gas/Mud) (psi)		Max BH	P-(0.22*S	etti	ng Dept	n)=	380		YES		ОК
									*Caı	ı Full	Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP22*(S	etting Depth	- Previous	Sh	oe Dept	h)=	398		NO		ОК
Required Casing/BOPE Tes	st Pressure=						1600		psi		
*Max Pressure Allowed @	Previous Casing	Shoe=					80		psi	*Ass	sumes 1psi/ft frac gradient
Calculations		Prod Str						.625	"		
Max BHP (psi)		.()52*Settin	g D	epth*M	W=	3579	=			
						Ť			BOP	E Ade	quate For Drilling And Setting Casing at Depth
MASP (Gas) (psi)		Max BH	P-(0.12*S	etti	ng Dept	n)=	2719		YES		DAP polymer fluid, 11" 5M Ram Type BOP &
MASP (Gas/Mud) (psi)		Max BH	P-(0.22*S	etti	ng Dept	n)=	2002		YES		5M Annular
									*Cai	ı Full	Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP22*(S	etting Depth	- Previous	Sh	oe Dept	n)=	2354		NO		OK
Required Casing/BOPE Tes	st Pressure=						5000		psi		
*Max Pressure Allowed @	Previous Casing	Shoe=					1600		psi	*Ass	sumes 1psi/ft frac gradient
Calculations		String							"		
Max BHP (psi)		.()52*Settin	g D	epth*M	W =					
									ВОР	E Ade	quate For Drilling And Setting Casing at Depth
MASP (Gas) (psi)		Max BH	P-(0.12*S	etti	ng Dept	n)=			NO		
MASP (Gas/Mud) (psi)		Max BH	P-(0.22*S	etti	ng Dept	n)=			NO		
									*Caı	ı Full	Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe Max BHP22*(Setting Depth - Previous Shoe Depth					h)=		Til	NO			
									-		

psi *Assumes 1psi/ft frac gradient

43013520810000 LC Fee 5-35D-47

Casing Schematic



Well name:

43013520810000 LC Fee 5-35D-47

Operator:

BILL BARRETT CORP.

String type:

Surface

Project ID:

Location:

DUCHESNE COUNTY 43-013-52081

Design parameters:

Collapse 8.800 ppg Mud weight: Design is based on evacuated pipe.

Minimum design factors:

Collapse:

Design factor 1.125 **Environment:**

H2S considered? Surface temperature: No 74 °F

96 °F Bottom hole temperature: Temperature gradient:

1.40 °F/100ft

Minimum section length:

100 ft

Burst:

Design factor

1.00 Cement top: Surface

Burst

Max anticipated surface pressure:

No backup mud specified.

Internal gradient: Calculated BHP

1,408 psi 0.120 psi/ft

1,600 psi

8 Round LTC:

Buttress:

Premium:

Body yield:

Tension: Non-directional string. 8 Round STC:

1.80 (J) 1.70 (J) 1.60 (J)

1.50 (J) 1.50 (B)

Tension is based on air weight. Neutral point: 1,392 ft

Re subsequent strings:

Next setting depth: Next mud weight: Next setting BHP:

7,131 ft 9.600 ppg 3,556 psi

Fracture mud wt: Fracture depth: Injection pressure: 19.250 ppg 1.600 ft 1,600 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	1600	9.625	36.00	J-55	ST&C	1600	1600	8.796	13907
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	731	2020	2.762	1600	3520	2.20	57.6	394	6.84 J

Prepared

by:

Helen Sadik-Macdonald Div of Oil, Gas & Mining

Phone: 801 538-5357 FAX: 801-359-3940

Date: April 1,2013 Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 1600 ft, a mud weight of 8.8 ppg The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

43013520810000 LC Fee 5-35D-47 Well name:

BILL BARRETT CORP. Operator:

Production String type:

Project ID: 43-013-52081

Location: DUCHESNE COUNTY

Design parameters: Minimum design factors: **Environment:** Collapse Collapse:

Mud weight: 9.600 ppg Design is based on evacuated pipe.

Design factor 1.125 H2S considered?

No 74 °F Surface temperature:

174 °F Bottom hole temperature: 1.40 °F/100ft Temperature gradient:

Minimum section length: 1,000 ft

Burst:

Design factor 1.00 Cement top:

696 ft

Burst

Max anticipated surface

pressure: 1,987 psi Internal gradient: 0.220 psi/ft

3,556 psi Calculated BHP

No backup mud specified.

Tension:

1.80 (J) 8 Round STC: 8 Round LTC: 1.80 (J)

Buttress: 1.60 (J) 1.50 (J) Premium: 1.60 (B)

Body yield:

Tension is based on air weight. Neutral point: 6,132 ft Directional Info - Build & Drop

Kick-off point 1700 ft Departure at shoe: 456 ft Maximum dogleg: 1.5 °/100ft

Inclination at shoe:

0°

Run	Segment		Nominal		End	True Vert	Measured	Drift	Est.	
Seq	Length	Size	Weight	Grade	Finish	Depth	Depth	Diameter	Cost	
	(ft)	(in)	(lbs/ft)			(ft)	(ft)	(in)	(\$)	
1	7170	5.5	17.00	P-110	LT&C	7131	7170	4.767	47227	
Run	Collapse	Collapse	Collapse	Burst	Burst	Burst	Tension	Tension	Tension	
Seq	Load	Strength	Design	Load	Strength	Design	Load	Strength	Design	
	(psi)	(psi)	Factor	(psi)	(psi)	Factor	(kips)	(kips)	Factor	
	(pai)	(pai)	I actor	(pai)	(621)		((14.100)	1 4000	

Prepared

Helen Sadik-Macdonald

Div of Oil, Gas & Mining by:

Phone: 801 538-5357 FAX: 801-359-3940

Date: April 1,2013 Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 7131 ft, a mud weight of 9.6 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Collapse strength is (biaxially) derated for doglegs in directional wells by multiplying the tensile stress by the cross section area to calculate a

Application for Permit to Drill Statement of Basis

Utah Division of Oil, Gas and Mining

APD No	API WellNo	Status	Well Type	Surf Owner	CBM
7771	43013520810000	LOCKED	OW	I	No
Operator	BILL BARRETT CORP		Surface Owner-APD		
Well Name	LC Fee 5-35D-47		Unit		
Field	WILDCAT		Type of Work	DRILL	
Location	SWNW 35 4S 7W U	1691 FNL	457 FWL GPS Coord		
Location	(UTM) 529805E 44380	51N			

Geologic Statement of Basis

Bill Barrett proposes to set 80 ' of conductor and 1,600' of surface casing at this location. Conductor and surface casing holes will be drilled with a fresh water mud system. The base of the moderately saline water is at approximately 4,500 feet in this area. This location lies on the Green River Formation. Good aquifers can be found in the Green River Formation and associated alluvium. A search of Division of Water Rights records indicates no water wells within a 10,000 foot radius of the center of Section 35. Production casing cement should be brought up above the base of the moderately saline ground water in order to isolate it from fresher waters uphole.

> Brad Hill 3/20/2013 Date / Time **APD Evaluator**

Surface Statement of Basis

The surface rights at the proposed location are owned by the Ute Tribe. The operator is responsible for obtaining all necessary surface permits and rights-of-way.

> **Brad Hill** 3/20/2013 **Onsite Evaluator** Date / Time

Conditions of Approval / Application for Permit to Drill

Condition Category

None.

RECEIVED: April 09, 2013

WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 3/7/2013 API NO. ASSIGNED: 43013520810000

WELL NAME: LC Fee 5-35D-47

OPERATOR: BILL BARRETT CORP (N2165) **PHONE NUMBER:** 303 312-8172

CONTACT: Venessa Langmacher

PROPOSED LOCATION: SWNW 35 040S 070W Permit Tech Review:

> SURFACE: 1691 FNL 0457 FWL **Engineering Review:**

> BOTTOM: 1980 FNL 0810 FWL Geology Review:

COUNTY: DUCHESNE

LATITUDE: 40.09222 LONGITUDE: -110.65036 UTM SURF EASTINGS: 529805.00 NORTHINGS: 4438051.00

FIELD NAME: WILDCAT LEASE TYPE: 4 - Fee

PROPOSED PRODUCING FORMATION(S): GREEN RIVER(LWR)-WASATCH **LEASE NUMBER:** Fee

SURFACE OWNER: 2 - Indian **COALBED METHANE: NO**

RECEIVED AND/OR REVIEWED: LOCATION AND SITING: ✓ PLAT R649-2-3.

Bond: STATE - LPM4138148 Unit:

Potash R649-3-2. General

Oil Shale 190-5

Oil Shale 190-3 R649-3-3. Exception

Oil Shale 190-13 **Drilling Unit**

Board Cause No: Cause 139-87 Water Permit: 43-180

Effective Date: 12/6/2011 **RDCC Review:**

Siting: 4 Prod LGRRV-WSTC Wells **Fee Surface Agreement**

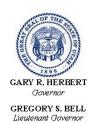
Intent to Commingle R649-3-11. Directional Drill

Commingling Approved

Comments: Presite Completed

1 - Exception Location - bhill Stipulations:

1 - Exception Location - brill 4 - Federal Approval - dmason 5 - Statement of Basis - bhill 12 - Cement Volume (3) - hmacdonald 15 - Directional - dmason 25 - Surface Casing - hmacdonald



State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

Permit To Drill

Well Name: LC Fee 5-35D-47 **API Well Number:** 43013520810000

Lease Number: Fee Surface Owner: INDIAN Approval Date: 4/9/2013

Issued to:

BILL BARRETT CORP, 1099 18th Street Ste 2300, Denver, CO 80202

Authority:

Pursuant to Utah Code Ann. 40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause 139-87. The expected producing formation or pool is the GREEN RIVER(LWR)-WASATCH Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

Duration:

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

Exception Location:

Appropriate information has been submitted to DOGM and administrative approval of the requested exception location is hereby granted.

General:

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

Conditions of Approval:

State approval of this well does not supercede the required federal approval, which must be obtained prior to drilling.

In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis (copy attached).

Cement volume for the 5 1/2" production string shall be determined from actual

hole diameter in order to place cement from the pipe setting depth back to 1100' MD as indicated in the submitted drilling plan.

Surface casing shall be cemented to the surface.

Additional Approvals:

The operator is required to obtain approval from the Division of Oil, Gas and mining before performing any of the following actions during the drilling of this well:

- Any changes to the approved drilling plan contact Dustin Doucet
- Significant plug back of the well contact Dustin Doucet
- Plug and abandonment of the well contact Dustin Doucet

Notification Requirements:

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

• Within 24 hours following the spudding of the well - contact Carol Daniels OR

submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website

at http://oilgas.ogm.utah.gov

- 24 hours prior to testing blowout prevention equipment contact Dan Jarvis
- 24 hours prior to cementing or testing casing contact Dan Jarvis
- Within 24 hours of making any emergency changes to the approved drilling program
 - contact Dustin Doucet
- 24 hours prior to commencing operations to plug and abandon the well contact Dan Jarvis

Contact Information:

The following are Division of Oil, Gas and Mining contacts and their telephone numbers (please leave a voicemail message if the person is not available to take the call):

- Carol Daniels 801-538-5284 office
- Dustin Doucet 801-538-5281 office

801-733-0983 - after office hours

• Dan Jarvis 801-538-5338 - office

801-231-8956 - after office hours

Reporting Requirements:

All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) due within 5 days of spudding the well
- Monthly Status Report (Form 9) due by 5th day of the following calendar month
 - Requests to Change Plans (Form 9) due prior to implementation
 - Written Notice of Emergency Changes (Form 9) due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) due prior to implementation
 - Report of Water Encountered (Form 7) due within 30 days after completion
 - Well Completion Report (Form 8) due within 30 days after completion or

Approved By:

For John Rogers Associate Director, Oil & Gas Sundry Number: 60821 API Well Number: 43013520810000

	STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES		FORM 9
ı	DIVISION OF OIL, GAS, AND MINING	9	5.LEASE DESIGNATION AND SERIAL NUMBER: Fee
	Y NOTICES AND REPORTS ON	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE	
	posals to drill new wells, significantly deep reenter plugged wells, or to drill horizontal n for such proposals.		7.UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well			8. WELL NAME and NUMBER: LC Fee 5-35D-47
2. NAME OF OPERATOR: BILL BARRETT CORP			9. API NUMBER: 43013520810000
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300		DNE NUMBER: 312-8134 Ext	9. FIELD and POOL or WILDCAT: WILDCAT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1691 FNL 0457 FWL			COUNTY: DUCHESNE
QTR/QTR, SECTION, TOWNSH	tip, RANGE, MERIDIAN: 35 Township: 04.0S Range: 07.0W Meridiar	n: U	STATE: UTAH
11. CHECI	K APPROPRIATE BOXES TO INDICATE N	ATURE OF NOTICE, REPOR	RT, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
	ACIDIZE	ALTER CASING	CASING REPAIR
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME
4/9/2015	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE
SUBSEQUENT REPORT		FRACTURE TREAT	New construction
Date of Work Completion:			
		PLUG AND ABANDON	☐ PLUG BACK
SPUD REPORT	☐ PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION
Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	L TEMPORARY ABANDON
	TUBING REPAIR	VENT OR FLARE	WATER DISPOSAL
DRILLING REPORT Report Date:	WATER SHUTOFF	SI TA STATUS EXTENSION	✓ APD EXTENSION
nopon suio.	WILDCAT WELL DETERMINATION	OTHER	OTHER:
12. DESCRIBE PROPOSED OR	COMPLETED OPERATIONS. Clearly show all pe	rtinent details including dates, d	lepths, volumes, etc.
l .	eby requests a one year extension		Approved by the
			Uffebr Davisiti2, 2015
			Oil, Gas and Mining
			Date:
			By: Bacylll
			Бу
NAME (PLEASE PRINT) Christina Hirtler	PHONE NUMBER 303 312-8597	TITLE Administrative Assistant	
SIGNATURE		DATE	
N/A		2/11/2015	

Sundry Number: 60821 API Well Number: 43013520810000



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Title: Administrative Assistant Representing: BILL BARRETT CORP

Request for Permit Extension Validation Well Number 43013520810000

API: 43013520810000 **Well Name:** LC Fee 5-35D-47

Location: 1691 FNL 0457 FWL QTR SWNW SEC 35 TWNP 040S RNG 070W MER U

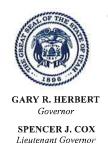
Company Permit Issued to: BILL BARRETT CORP

Date Original Permit Issued: 4/9/2013

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

•••
 If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes No
 Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes No
 Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes No
 Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location? Yes No
• Has the approved source of water for drilling changed? Yes No
 Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes No
• Is bonding still in place, which covers this proposed well? Yes No
nature: Christina Hirtler Nate: 2/11/2015

RECEIVED: Feb. 11, 2015



State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA

Division Director

April 7, 2016

Brady Riley
BILL BARRETT CORPORATION
1099 18th Street | Suite 2300
Denver, CO 80202

Re: APDs Rescinded for Bill Barrett Corporation, Duchesne County

Dear Ms. Riley:

Enclosed find the list of APDs that is being rescinded. No drilling activity at these locations has been reported to the division. Therefore, approval to drill these wells is hereby rescinded as of April 7, 2016.

A new APD must be filed with this office for approval <u>prior</u> to the commencement of any future work on the subject location.

If any previously unreported operations have been performed on this well location, it is imperative that you notify the Division immediately.

Sincerely,

Diana Mason

Environmental Scientist

cc: Well File

Bureau of Land Management, Vernal



43-013-52058 LC Fee 4-24D-47 43-013-52056 LC Fee 15-26D-47 43-013-52090 LC Fee 5-34D-47 43-013-52081 LC Fee 5-35D-47



BBC Rescind Request

Brady Riley briley@billbarrettcorp.com
To: "dianawhitney@utah.gov" dianawhitney@utah.gov

Thu, Apr 7, 2016 at 9:22 AM

Diana,

Please rescind the following approved APDs, as they expire this month and BBC would like to refile these permits.

LC Fee 4-24D-47

LC Fee 15-26D-47

LC Fee 5-34D-47

LC Fee 5-35D-47

Thanks and please let me know if you have questions.

Brady Riley

BILL BARRETT CORPORATION

1099 18th Street | Suite 2300

Denver, CO 80202

D 303.312.8115

C 720.402.7541

F 303.291.0420

briley@billbarrettcorp.com

www.billbarrettcorp.com

